

Please join us at our next **NASA Carbon Monitoring System (CMS) Policy Speaker Series** talk:

# **ARPA-E proposed REMEDY Program: Prevention and Abatement of Anthropogenic Methane Emissions**

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(ARPA-E), U.S. Department of Energy

**Thursday, October 29, 2020**

12:00PM-1:00PM Eastern Time

Via Adobe Connect (Registration Link Below)

The Policy Speaker Series is an effort funded through the NASA Carbon Monitoring System (CMS) Initiative and co-sponsored by the [Joint Global Carbon Cycle Center](#) (JGCCC).

You may access the seminar remotely: To register for **live stream**:

<https://gsfc610.adobeconnect.com/cmsoct2020/event/registration.html>

For **audio**, please call: USA Toll free: 1-844-467-4685, Access code: 9907511380

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## **About the Talk**

The proposed REMEDY (Reducing Emissions of Methane Every Day of the Year) program is focused on technologies to prevent and/or abate methane emissions. The goal is to reverse the rate of accumulation of methane in the atmosphere, resulting in a decrease in atmospheric methane concentration. ARPA-E is seeking transformative and disruptive technologies that could: (a) prevent methane emissions from anthropogenic activities; (b) abate methane emissions at the source (stack, vents, leaks, etc.); and (c) remove methane from the air.

ARPA-E is seeking systems that integrate prevention/abatement technologies with hardware/software to quantify methane reduction, and sensors/control systems with active feedback to ensure the prevention/abatement technologies are properly operating. Typical ARPA-E programs have a 3-year duration and a \$20-50MM budget. We prefer to fund diverse teams with complimentary skills. Our goal is to de-risk technologies, so we encourage plans that include a relevant lab-scale or limited field test to demonstrate the efficacy of the proposed system. During this presentation we will discuss program priorities, relevant data gaps and needs in the agency, potential collaboration areas with NASA and CMS-funded scientists, as well as upcoming funding opportunities.

### **About Our Speaker**



**Jack Lewnard** joined ARPA-E as a Program Director in June 2019. His first two programs at ARPA-E involve developing robotic tools to repair and map gas pipes from inside the pipes, and converting plastic and paper into liquid products. He has worked primarily in the energy area for 35 years, in diverse areas such as gasification, power generation, renewable energy, and natural gas. He was most recently VP Business Development for Chesapeake Utilities, and previously VP and CTO at the Gas Technology Institute. He has a B.S. in Chemical Engineering from the University of Cincinnati and a Ph.D. in Chemical Engineering from the University of California, Berkeley.

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